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Serial No. 09/898,150
Reply to Office Action dated: 12/23/04
Response dated: 02/22/05

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Amendments to the Claims

Please cancel claims 1-18 and 20-21 without prejudice.

Please replace cancelled claims 1-18 and 20-21 with new claims 22-39 as follows:

1-18 (Cancelled)

20-21 (Cancelled)

22. (New) A method for reducing an initialization time of an apparatus for reading from and/or writing to an optical recording medium, said optical recording medium having identification data which enables the identification of the optical recording medium individually among at least optical recording media of the same type, the method comprising:

reading the identification data of an optical recording medium inserted into said apparatus to identify said optical recording medium;

determining if adjustment values associated with parameter values for reading from and writing to the identified optical recording medium are accessibly stored for said apparatus;

in response to identifying stored adjustment values for said apparatus, setting control and regulating circuits of said apparatus in accordance with the stored adjustment values; and

in response to determining that adjustment values for said apparatus are not accessibly stored, initializing said apparatus to determine respective adjustment values for the control and regulating circuits of said apparatus such that said apparatus is able to optimally read from and write to the identified optical recording medium, and respectively storing said determined adjustment values for said apparatus and the corresponding identification data of said identified optical recording medium;

wherein the identification data of the inserted optical recording medium is read by said apparatus before said apparatus reaches a read readiness state.

23. (New) The method of claim 22, wherein the adjustment values for said apparatus are stored in a storage means of said apparatus.

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24. (New) The method of claim 23, wherein said storage means comprises a non-volatile memory.
25. (New) The method of claim 22, wherein the adjustment values for said apparatus are stored in an external storage means accessible by said apparatus.
26. (New) The method of claim 22, wherein a Burst Cutting Area (BCA) of the optical recording media comprises the identification data of the optical recording media.
27. (New) The method of claim 22, wherein the identification data of the optical recording media comprises first data identifying said optical recording medium as one of a plurality of recording types and second data specific to only the respective optical recording medium.
28. (New) The method of claim 22, wherein the adjustment values for said apparatus comprise at least values for the positioning of components of said apparatus for optimally reading from and writing to an inserted optical recording medium.
29. (New) The method of claim 28, wherein the adjustment values for said apparatus further comprise at least an optimal speed of rotation for reading from and writing to an inserted optical recording medium.
30. (New) The method of claim 22, wherein the respective identification data of the optical recording media is recorded on the optical recording media such that the identification data is able to be read by a reading means of said apparatus before the reading means reaches an optimal focus position.
31. (New) An apparatus for reading from and/or writing to an optical recording medium and having a reduced initialization time, said optical recording medium

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having identification data which enables the identification of the optical recording medium individually among at least optical recording media of the same type, the apparatus comprising:

a detection means for reading the identification data of an optical recording medium inserted into said apparatus for identifying said optical recording medium;

a control means adapted to perform the steps of:

determining if adjustment values associated with parameter values for reading from and writing to the identified optical recording medium are accessibly stored for said apparatus;

in response to identifying stored adjustment values for said apparatus, setting control and regulating circuits of said apparatus in accordance with the stored adjustment values; and

in response to determining that adjustment values for said apparatus are not accessibly stored, initializing said apparatus to determine respective adjustment values for the control and regulating circuits of said apparatus such that said apparatus is able to optimally read from and write to the identified optical recording medium, and respectively storing said determined adjustment values for said apparatus and the corresponding identification data of said identified optical recording medium;

wherein said detection means reads the identification data of the inserted optical recording medium before said apparatus reaches a read readiness state.

32. (New) The apparatus of claim 31, wherein said detection means comprises at least one of a read and a read/write means.

33. (New) The apparatus of claim 31, further comprising a storage means for storing at least the adjustment for said apparatus.

34. (New) The apparatus of claim 33, wherein said storage means comprises a non-volatile memory.

35. (New) The apparatus of claim 33, wherein said storage means comprises at

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least one of a non-volatile memory of the apparatus and a non-volatile data carrier provided externally to the apparatus.

36. (New) The apparatus of claim 31, wherein a Burst Cutting Area (BCA) of the optical recording media comprises the identification data of the optical recording media.

37. (New) The apparatus of claim 31, wherein the optical recording media comprise DVD-ROM discs.

38. (New) A method for achieving read or write readiness on an optical disc medium, said method comprising the steps of:

a) detecting on said disc medium identification data specific only to said disc medium;

b) determining the presence or absence of stored adjustment parameter values for reading from and writing to said optical disc medium associated with said identification data specific only to said disc medium;

c) when stored adjustment parameter values are present, using said stored values for reading from and writing to said optical disc medium; and

d) when stored adjustment parameter values are absent, determining optimal adjustment parameter values for reading from and writing to said optical disc medium and storing said determined adjustment parameter values for reading from and writing to said disc medium along with said identification data specific only to said disc medium.

39. (New) An apparatus for reading or writing on a disc medium, comprising:

means for detecting on said disc medium identification data specific only to said disc medium;

means for reading from and writing to a memory at least one adjustment parameter associated with said identification data;

means for selecting at least one operating characteristic associated with said adjustment parameter for the apparatus.